

MPE Calculations							
Alvarion Ltd.							
FCC ID: LKT-VL-IF							
RF Hazard Distance Calculation							
mW/cm2 from Table1:		1.00					
Max RF Power	TX Antenna	MPE					
P, dBm	G, dBi	Safe Distance, cm					
28.7	21.0	86.2					
20.0	16.0	17.8					
Basis of Calculations:							
$E^2/3770 = S$, mW/cm2							
E , V/m = $(P_{watts} * G_{gain} * 30)^{.5} / d$, meters							
$d = ((P_{watts} * G * 30) / 3770 * S)^{.5}$		$P_{watts} * G_{gain} = 10^{(P_{dBm} - 30 + G_{dBi}) / 10}$					
NOTE: For 15.247 fixed location transmitters in 5.7 GHZ band, minimum separation distance is 2 m, even if calculations indicate MPE distance is less							